

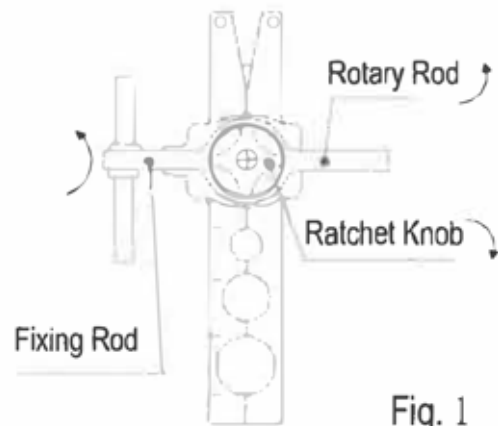
# OPERATION INSTRUCTIONS

ORBIS<sup>®</sup>

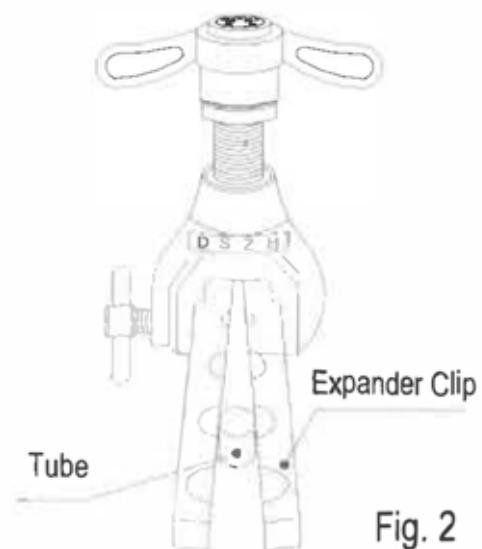
WELT

# Operateon instruction

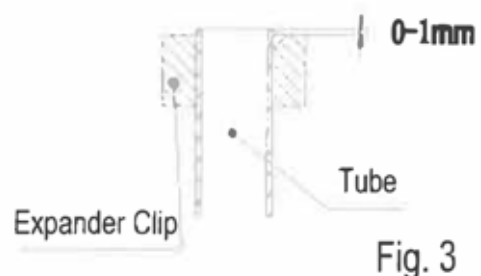
1. release the "FIXING ROD" before rotate "RATCHET KNOB" clockwise, then rotate "ROTARY ROD" anticlockwise to the top.



2. open teh "EXPANDER CLIPF" and place a tube in according to required dimension.



3. the tube which placed in "EXPANDER CLIP" should be 1 mm higher than "expander clip" Clean out the tube before operation



4. aim the "RED AAROW" to "SPECIFICATION MARK" and lock the "fixing rod" tightly.

5. rotate "RATCHET KNOB" anticlockwise and teen keep rotating "ROTARY ROD" clockwise. When the "ECCENTRIC CONE" touch the tube, rotate "ROTARY ROD" clockwise and anticlockwise alternately to start making flare which you can save labour in this way. When work finished, you can feel a spring device separate automatically. Keep on rotate "ROTARY ROD" 2-3 rounds to make the flare more smooth and shine.

6. after flare work finished, rotate "RATCHET KNOB" clockwise and rotate "ROTARY ROD" clockwise and anticlockwise alternately to release the "ECCENTRIC CONE" up to the top. Release the "FIXING ROD", OPEN "EXPANDER CLIP" and take the tube out.

**CAUTIONS: NEVER RELEASE "FIXING ROD" BEFORE RELEASE THE "ECCENTRIC CONE" UP TO THE TOP.**

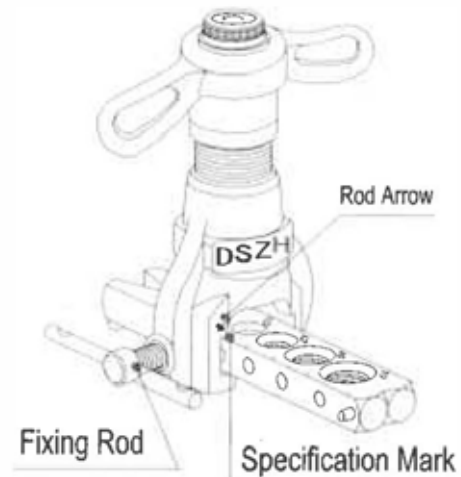


Fig. 4

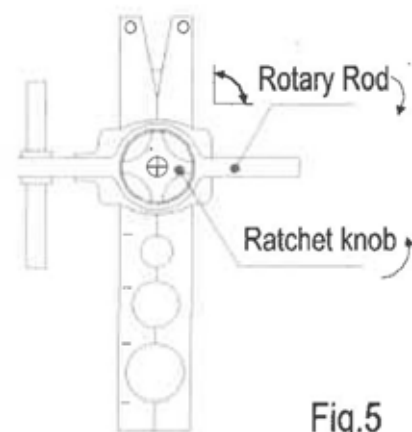


Fig.5

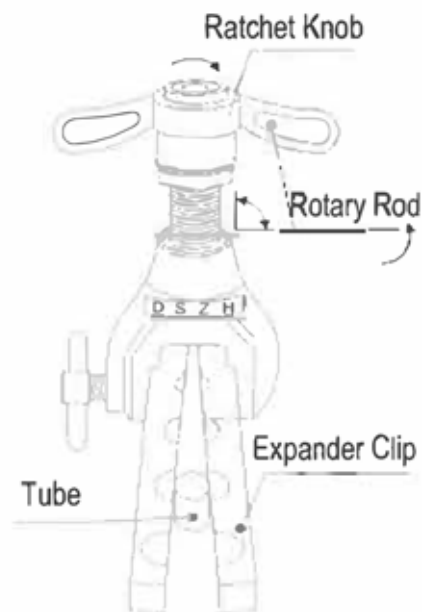
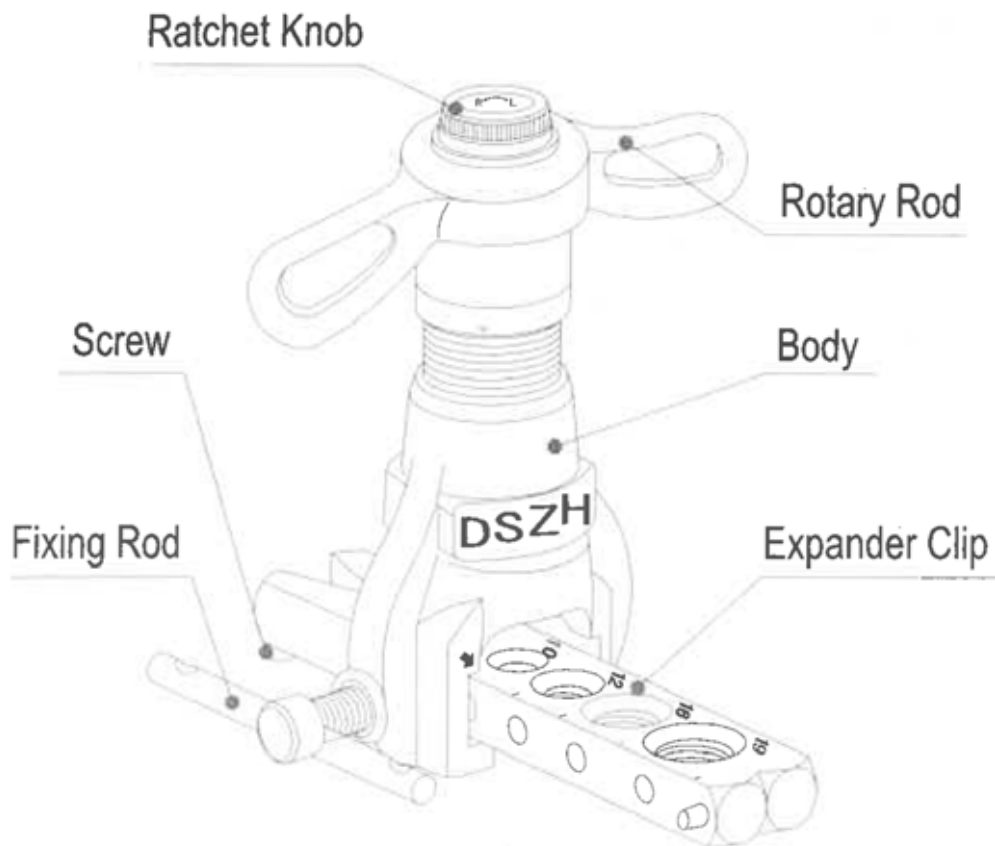


Fig. 6



## MAINTENANCE INSTRUCTIONS:

1. keep the 45 degree eccentric cone clean away from copper scrapings after using
2. lubricate the "FIXING ROD" and "ROTARY ROD" with engine oil frequently
3. lubricate the bearing in "BODY", "ROTARY ROD" connections, "SCREW" frequently

